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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/874,182	06/04/2001	Donald K. Wadley	10004412-1	5608

7590 11/16/2005  
HEWLETT-PACKARD COMPANY  
Intellectual Property Administration  
P. O. Box 272400  
Fort Collins, CO 80527-2400

EXAMINER

EBRAHIMI DEHKORDY, SAEID

ART UNIT PAPER NUMBER

2626

DATE MAILED: 11/16/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

09/874,182

Applicant(s)

WADLEY, DONALD K.

Examiner

Saeid Ebrahimi-dehKordy

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 01 September 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-32 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-32 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |   |   |
|---|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)                        | 4) <input type="checkbox"/> Interview Summary (PTO-413)                     |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)    | Paper No(s)/Mail Date. _____  |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date _____   | 6) <input type="checkbox"/> Other: _____                                    |

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### **Continued Examination Under 37 CFR 1.114**

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 9/1/05 has been entered.

### **Response to Arguments**

2. Applicant's arguments with respect to claim 1-32 have been considered but are moot in view of the new ground(s) of rejection.

Examiner points out that the amended claims which were filed on 2/28/05 adds the limitation of "monitoring one or more variables or parameters associated with the security of the printer, wherein at least one of said variables or parameters is associated with the I/O activities of data that is to be or has been printed on the printer". Examiner finds no support or bases for this limitation, and in fact nowhere in the specification the words parameters or variables have been mentioned as amended.

The invention basically discloses the way the personalized document is being monitored in the printer by using the analyzer to analyze the content of the document in terms of its privacy and secrecy of the document and the security of the printer.

### ***Claim Rejections - 35 USC § 102***

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

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(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

4. Claims 1-32 rejected under 35 U.S.C. 102(e) as being anticipated by Kojima et al (U.S. Patent 6,807,388)

Regarding claim 1 and 19 Kojima et al disclose: A method of operating a printer comprising: monitoring content of one or more documents that are to be printed on a printer (please note Fig.5 item 400, monitoring means, column 10 lines 10-13)) said monitoring taking place within a printer that is to print the one or more documents (please note Fig.5 item 400 column 10 lines 14-16) determining whether the monitored content is of interest to an organization of which the printer comprises a part (please note Fig.5, column 10 lines 16-18 where the content of the document or data is being analyzed before sending the data to be printed) monitoring one or more variables or parameters associated with the security of the printer, wherein at least one of said variables or parameters is associated with I/O activity of data that is to be or has been printed on the printer (note column 5 lines 52-67 and specifically lines 59-67 where the analyzing circuit 15 outputs a stop order 151, which would be a variable or a parameters in this case to prevent unauthorized copying). and generating a notification if the content is of interest to the organization (please note column 6 lines 60-67 and column 7 lines 1-15).

Regarding claim 2 Kojima et al disclose: The method of claim 1, wherein said monitoring comprises receiving and analyzing a data stream in the printer (please note

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Fig.5 item 400, column 10 lines 10-13) the data stream pertaining to the one or more documents that are to be printed (please note column 10 lines 14-17).

Regarding claim 3 Kojima et al disclose: The method of claim 1, wherein said determining comprises ascertaining whether the content includes one or more keywords or phrases (please note column 6 lines 1-8).

Regarding claim 4 Kojima et al disclose: The method of claim 1, wherein said determining comprises ascertaining whether the content comprises a particular structure (please note column 6 lines 23-40).

Regarding claim 5 Kojima et al disclose: The method of claim 1, wherein said generating comprises generating a notification that includes at least a portion of the content that is of interest to the organization (please note column 6 lines 60-67 and column 7 lines 1-14).

Regarding claim 6 Kojima et al disclose: A method of operating a printer comprising: providing a context-analyzer within a printer (please note Fig.5 item 28 the printing information analyzer, column 10 lines 14-16) receiving a data stream into the printer (please note Fig.5 column 9 lines 56-67 and column 10 lines 1-9) the data stream representing a document that is to be printed by the printer (please note Fig.5 item 400, monitoring means, column 10 lines 10-13) providing a data stream to the context-analyzer (please note column 10 lines 10-23) and analyzing the provided data stream with the context-analyzer to ascertain one or more contexts associated with the data stream (please note column 10 lines 36-47) and monitoring one or more variables or parameters associated with the security of the printer, wherein at least one of said

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variables or parameters is associated with I/O activity of data that is to be or has been printed on the printer (note column 5 lines 52-67 and specifically lines 59-67 where the analyzing circuit 15 outputs a stop order 151, which would be a variable or a parameters in this case to prevent unauthorized copying).

Regarding claim 7 Kojima et al disclose: The method of claim 6, wherein said providing of the context-analyzer comprises delivering the context-analyzer to the printer via a network (please note column 4 lines 59-64).

Regarding claim 8 Kojima et al disclose: The method of claim 6, wherein said providing of the context-analyzer comprises delivering the context-analyzer in the form of an applet to the printer via a network (please note column 9 lines 56-67 and column 10 lines 1-10).

Regarding claim 9 Kojima et al disclose: The method of claim 6, wherein said analyzing comprises using a structure detector that is configured to analyze the data stream so that it can ascertain a structure associated with a document that is to be printed (please note column 10 lines 36-47).

Regarding claim 10 Kojima et al disclose: The method of claim 6, wherein said analyzing comprises using a keyword detector that is configured to analyze the data stream so that it can ascertain one or more keywords or phrases that appear in a document that is to be printed (please note column 7 lines 20-29).

Regarding claim 11 Kojima et al disclose: The method of claim 6 further comprising self-replicating the context-analyzer to other printers on a network (please note column 14 lines 41-51).

Regarding claim 12 Kojima et al disclose: The method of claim 1, said self-replicating comprises: seeking out other network printers; copying the context-analyzer; and providing at least one copy of the context-analyzer to the other network printers (please note column 12 lines 47-67 and column 13 lines 1-10).

Regarding claim 13 Kojima et al disclose: The method of claim 6 further comprising reporting on the context of the data stream (please note column 6 lines 60-67).

Regarding claim 14 Kojima et al disclose: The method of claim 13, wherein said reporting comprises reporting context information to a computing entity (please note column 6 lines 60-67 and column 7 lines 1-14).

Regarding claim 15 Kojima et al disclose: A method of operating a printer comprising: defining a document profile (please note Fig.5, column 9 lines 56-65 where the received data is analyzed in command analyzer 22 one by one and therefore making a profile of the data) programming a context-analyzer with the document profile (please note column 9 lines 65-67 and column 10 lines 1-3) providing the context-analyzer within a printer (please note Fig.5 item 22, column 9 lines 56-67 and column 10 lines 1-10) receiving a data stream with the context-analyzer (please note column 9 lines 56-63) the data stream being associated with a document that is to be printed by the printer (please note column 10 lines 14-19) analyzing the data stream with the context-analyzer (please note column 10 lines 14-16) and determining whether the data stream meets the document profile within some degree of certainty (please note column 9 lines 56-67 and column 10 lines 1-24) and monitoring one or more variables or

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parameters associated with the security of the printer, wherein at least one of said variables or parameters is associated with I/O activity of data that is to be or has been printed on the printer (note column 5 lines 52-67 and specifically lines 59-67 where the analyzing circuit 15 outputs a stop order 151, which would be a variable or a parameters in this case to prevent unauthorized copying).

Regarding claim 16 Kojima et al disclose: The method of claim 15, further comprising generating a notification if the document profile is met (please note column 6 lines 60-67 and column 7 lines 1-15).

Regarding claim 17 Kojima et al disclose: The method of claim 15, wherein said programming occurs after said providing (please note column 9 lines 56-67 )

Regarding claim 18 Kojima et al disclose: The method of claim 15, wherein said defining of the document profile comprises doing so using one or more keywords or phrases (please note column 7 lines 20-29).

Regarding claim 20 Kojima et al disclose: The computer-readable media of claim 19, wherein the instructions cause the printer to determine whether the content is of interest by comparing document content with one or more defined profiles that describe information that is of interest to the organization (please note column 6 lines 60-67 and column 7 lines 1-15).

Regarding claim 21,25 and 30 Kojima et al disclose: An apparatus comprising: at least one printer (please note Figs.1 and 5 items 1 and 2 compute and printer respectively) and a context-analyzer resident in said at least one printer (please note Fig.5 item 22 the command analyzer, column 9 lines 56-67) and configured to monitor



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content of one or more documents that are to be printed on the printer (please note column 10 lines 10-24) and determine whether the content is of interest to an organization of which the printer comprises a part (please note Fig.5, column 10 lines 16-18 where the content of the document or data is being analyzed before sending the data to be printed) and a print monitor associated with said at least one printer and configured to monitor one or more variables or parameters associated with the security of the printer, wherein at least one of said variables or parameters is associated with I/O activity of data that is to be or has been printed on the printer (note column 5 lines 52-67 and specifically lines 59-67 where the analyzing circuit 15 outputs a stop order 151, which would be a variable or a parameters in this case to prevent unauthorized copying).

Regarding claim 22 Kojima et al disclose: The apparatus of claim 21, wherein the context-analyzer is configured to generate a notification if the content is of interest to the organization (please note column 6 lines 60-67 and column 7 lines 1-15).

Regarding claim 23 Kojima et al disclose: The apparatus of claim 21, wherein the context-analyzer is configured to self-replicate itself to other printers across a network to which the at least one printer has access (please note column 13 lines 12-21).

Regarding claim 24 Kojima et al disclose: The apparatus of claim 21 further comprising: at least one other printer having a context-analyzer; and a network configured to establish a communication link between the printers (please note column 13 lines 41-49).

Regarding claim 26 Kojima et al disclose: The apparatus of claim 25, wherein the context-analyzer is configured to analyze the data stream by using a structure detector to detect a structure of a document that is to be printed (please note column 10 lines 36-47).

Regarding claim 27 Kojima et al disclose: The apparatus of claim 25, wherein the context-analyzer is configured to analyze the data stream by using a keyword detector that is configured to analyze a data stream so that it can ascertain one or more keywords or phrases that appear in a document that is to be printed (please note column 7 lines 20-29).

Regarding claim 28 Kojima et al disclose: The apparatus of claim 25 further comprising: at least one other printer having a context-analyzer; and a network configured to establish a communication link between the printers (please note column 13 lines 11-21).

Regarding claim 29 Kojima et al disclose: The apparatus of claim 28, wherein said context-analyzer is configured to self-replicate itself to other printers on the network (please note column 13 lines 12-21).

Regarding claim 31 Kojima et al disclose: The architecture of claim 30, wherein the context-analyzers are configured to generate a notification based on the context of a data stream (please note column 6 lines 60-67 and column 7 lines 1-15).

Regarding claim 32 Kojima et al disclose: The architecture of claim 30, wherein the context-analyzers are configured to analyze the data stream by comparing content

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of the data stream with one or more profiles defining information of interest (please note column 6 lines 60-67 and column 7 lines 1-15).

**Contact Information**

- Any inquiry concerning this communication or earlier communications from the examiner should be directed to *Saeid Ebrahimi-Dehkordy* whose telephone number is (571) 272-7462.

The examiner can normally be reached on Monday through Friday from 8:00 a.m. to 5:30 p.m. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kimberly Williams, can be reached at (571) 272-7471.

**Any response to this action should be mailed to:**

Assistant Commissioner for Patents  
Washington, D.C. 20231

**Or faxed to:**

(571) 273-8300, (for **formal** communications; please mark  
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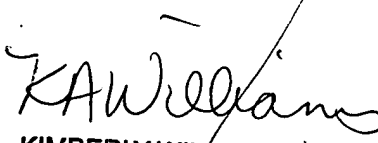
**Or:**

(703) 306-5406 (for **informal** or **draft** communications, please label  
"PROPOSED" or "DRAFT")

**Hand delivered responses** should be brought to Knox building on 501 Dulany Street, Alexandria, VA.

Any inquiry of a general nature or relating to the status of this application should be directed to the Group Receptionist whose telephone number is (703) 305-4750.

*Saeid Ebrahimi-Dehkordy*  
Patent Examiner  
Group Art Unit 2626

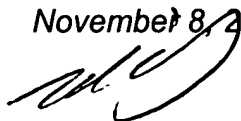
  
KIMBERLY WILLIAMS  
SUPERVISORY PATENT EXAMINER

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November 8, 2005

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